

**Agency: Commerce, Community and Economic Development****Grants to Municipalities (AS 37.05.315)****Grant Recipient: Klawock****Project Title:**

# Klawock - Resurface, Replace Manholes, Water & Sewer Lines on Bayview Boulevard

**State Funding Requested: \$ 1,271,650****House District: 5 - C**

One-Time Need

**Brief Project Description:**

Install 3000 linear feet of 10" water line on Bayview Blvd. Repair leaking water lines, sewer lines and manholes while replacing pumps and controls at affected lift stations.

**Funding Plan:****Total Cost of Project: \$1,271,650**Funding Secured

Amount FY

Other Pending Requests

Amount FY

Anticipated Future Need

Amount FY

There is no other funding needed

**Detailed Project Description and Justification:**

The water and sewer system on Bayview Boulevard is in need of replacement. There are numerous water leaks which cost the city thousands of dollars for needed water chemicals and at times exceed the permit amount of treated sewage. There is no storm water collection and removal system which damages the road and utility infrastructure, as well as a hazard for the local citizens. The existing water line on Bayview Boulevard is a ductile iron pipe that has reached its useful service life due to corrosion from sea water. The water distribution system has leakage exceeds 15 percent of the design flow for the entire system. Sewer system infiltration exceeds 20 percent of the system design flow at least 10 times per year. Permit requirements are being exceeded during heavy rainfalls, manholes and life stations have a large amount of seawater because of the leaks.

The project will be to resurface, replace manholes, water and sewer lines on Bayview Boulevard. Install 3000 linear feet of 10" water line. Perform a comprehensive leak detection survey. Repair leaking manholes. Perform a video survey of the sewer system and repair leaking sewer lines. Replace Pumps and controls at affected lift stations. Once the new water and sewer lines have been replaced the Klawock Cooperative Association will assist the City with the resurfacing of Bayview Boulevard.

**Project Timeline:**

The project would start as soon as funding received and estimated complete fall 2008.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

City of Klawock

**Grant Recipient Contact Information:**

Contact Name: Donald Marvin, Mayor

Phone Number: 907-755-2261

Address: P.O. Box 469, Klawock, AK 99925

Email: dmarvin@cityklawock.com

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No



# City of Klawock Alaska

PO Box 469  
Klawock, Alaska 99925

Phone: (907) 755-2261  
or: (907) 755-2262  
Fax: (907) 755-2403

*"Site of the First Salmon Cannery in Alaska"*

## Klawock Community Profile

The City of Klawock incorporated area consists of 620 acres. The principal landowners are private (residential, commercial and industrial properties, including developed Klawock Heenya Corporation lands), and Klawock Cooperative Association. The City is entitled to up to 1,280 acres from the local village corporation, Klawock Heenya. To date the City has identified for selection only about a third of its entitlement. The City owns all tidelands, except for a few small, privately held tracts transferred before statehood.

The 2000 US Census reported Klawock was Prince of Wales second largest community with 854 people. In 2006, the State of Alaska determined the city's population to be 776. A local census has not been conducted.

The water and sewer system on Bayview Blvd. is in need of replacement; there are numerous water leaks which cost the city thousands of dollars for needed water chemicals and at times exceed the permit amount of treated sewage. There is no storm water collection and removal system which damages the road and utility infrastructure, as well as, is a hazard for the local citizens. Once the new water and sewer lines have been replaced the Klawock Cooperative Association will assist the City with the resurfacing of Bayview Blvd.

### Priority # 1

Resurface, replace manholes water, sewer lines on Bayview Blvd. Install 3000 linear feet of 10" water line on Bayview Blvd. Perform a comprehensive leak detection survey. Sewer - repair leaking manholes. Perform a video survey of sewer system and repair leaking sewer lines. Replace pumps and controls at affected lift stations. (Project costs \$1,271,653.00) We are asking for full project cost. There are no matching funds available. We plan to start this project as soon as we get funding.

The existing water line on Bayview Blvd. is a ductile iron pipe that has reached its useful service life due to corrosion from sea water. The water distribution system has leakage that exceeds 15 percent of the design flow for the entire system. Sewer system infiltration exceeds 20 percent of the system design flow at least 10 times per year. Permit requirements are being exceeded during heavy rainfalls, manholes and lift stations have large amount of seawater because of leaks. Attached- letter from Klawock Cooperative Association Tribe. Their program to resurface roads in Klawock. Attached- narrative report from Indian Health Service.

This was also on our 2007 Capital Project request. We also made some requests with Indian Health Service. 2006, 2007, 2008. The contact person is Mayor Donald Marvin (907) 755-2261 or email [dmarvin@cityofklawock.com](mailto:dmarvin@cityofklawock.com)

**Priority # 2**

The City has water rights for 185,000 gallons per day for Half-Mile Creek reservoir. Current reservoir capacity is inadequate to meet project water needs and the dam structure needs replacement.

The City currently takes its water from Half-Mile Creek, east of the community. In 1995, the City was forced to contact the Governor and declare a State of Emergency as Half-Mile Creek dried up in just 7 days of dry weather. Water was trucked in to meet the resident's needs. Businesses closed during this period, costing the community revenues and jobs during the emergency period. (3 weeks) The City with the local tribal entity worked hard and received an Imminent Threat (HUD) grant to repair the dam at that time.

The community is currently growing with 60 new homes and more being built now. All the new homes are occupied. In part, the opening of the cannery (Klawock Oceanside) is a result of the communities' growth. The cannery employs 60 plus people. The mill is also awaiting water now. Economic development as well as the health and welfare of the community will benefit from this project

We are still waiting for cost estimate from our engineer on the Half-Mile Creek Dam design and reconstruction. As soon as we get it I'll send it in. The main face of the dam is built out of wood, and is starting to rot. Half-Mile Creek Dam is the main source of water to the City of Klawock. With a short life expectation remaining before failure. Now is the time to start this work.

**Priority # 3**

Phase II of the public safety building has been one of the city priorities since the completion of Phase I. Plans and cost estimate for construction has already been done by Millard, Peters, and Associates. Phase I of the public safety building is complete. Phase II of this project will include a three cell holding facility, a dispatch area and sail port. Project cost \$1,441, 022. We are requesting full amount. No matching funds are available. We plan to start this project as soon as we get funding. Attached is a letter from Millard & Associates Architects LLC. Project cost and design. The contact person is Mayor Donald Marvin (907) 755-2261 or email [dmarvin@cityofklawock.com](mailto:dmarvin@cityofklawock.com)

**Priority #4**

Due to the many new homes in Mary Jackson Subdivision the Council feels there is a need to have a sub station to house a fire truck. The city has applied for a new fire truck also because the city has outgrown the present fire hall.

*Remove  
per Mayor*

**Priority # 5**

The City of Klawock by resolution supports the Klawock School District Projects.

**FY 2008  
Capital Projects**

**STATEMENT OF RESPONSIBILITY**

The City of Klawock is proud of their heritage and is development and the financial burdens that come with capital development. The city also recognizes when it is beyond the communities financial capabilities for this development to occur. It is with this understanding the identified capital improvement projects are submitted with the City of Klawocks' request for your support.

**RESURFACE, REPLACE MANHOLES, WATER & SEWER LINES ON  
BAYVIEW BOULEVARD \$1,271, 653.**

The existing water line on Bayview Boulevard is a cuctile iron pipe that reached its useful service life due to corrosion from sea water. The water distribution system has leakage that exceeds 15 percent of the decision flow for the entire system.

Sewer system infiltration exceeds 20 percent of the system design flow at least 10 times per year. Permit requirement are being exceeded during heavy rainfalls, manholes and lift station has large amount of seawater because of leaks. This was also on our 2007 request. We have also made the same request with Indian Health Service, 2006, 2007 and will be doing the same for 2008. Attached with this is a letter from Klawock Cooperative Association Tribe. Their program to resurface roads in Klawock. Bayview being the main road. The contact person is Mayor Donald Marvin. 907-755-2261 or email [dmarvin@cityofklawock.com](mailto:dmarvin@cityofklawock.com).

**HALF MILE CREEK DAM DESIGN AND RECONSTRUCTION**

Half mile creek dam is the main source of water to the City of Klawock. With only a short life expectation remaining before failure, now is the time to begin preliminary engineering and permit applications for replacement. This was in our 2007 project request. The contact person is Donald Marvin, 907-755-2261 or email [dmarvin@cityofklawock.com](mailto:dmarvin@cityofklawock.com).

**FIREHALL SUBSTATION**

This substation will be located at Mary Jackson Subdivision. It will house one fire truck and equipment. We do not have the cost at this time. We'll send it as soon as we receive it. The contact person is Mayor Donald Marvin, 907-755-2261 or email [dmarvin@cityofklawock.com](mailto:dmarvin@cityofklawock.com).

**KLAWOCK SCHOOL CAPITAL IMPROVEMENT PRIORITIES**

1. Klawock Gym Structural Repair \$1,929,454
2. Klawock School Renovation \$1,604,779
3. Klawock Fuel Tank Decommissioning \$176,133

The contact person is Superintendent Richard Carlson, 907-755-2220 or fax 907-755-2913.

#### PUBLIC SAFETY BUILDING

Phase II and I of the Public Safety building is complete. Phase II of this project will include a three cell holding facility, a dispatch area and sallport. We need to do a conceptual design \$25,000.

one page  
\* Community  
Profile

FY 2008  
Capital Projects

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**KLAWOCK SCHOOL CAPITAL IMPROVEMENT PRIORITIES**

\*  
1) Level of need  
2) Matching funds  
3) No future obligation or how maintain  
4) Detail outline of project timeline

\*  
1) Level of need  
2) Amount requested  
3) Matching Funds?  
4) No future obligation? How will maintain?  
5) Detail outline of project timeline

\*  
1) Level of need  
2) Justification  
3) Matching funds?  
4) How no future obligation? How will maintain?  
5) Detail outline of project timeline

# Klawock School Capital Project

1. Klawock Gym Structural Repair \$1,929,454
2. Klawock School Renovation \$1,604,779
3. Klawock Fuel Tank Decommissioning \$176,133

The contact person is Superintendent Richard Carlson, 907-755-2220 or fax 907-755-2913.

1) Justification  
 2) Level of need  
 3) Letter of Support  
 4) Matching funds  
 5) Detail outline

## PUBLIC SAFETY BUILDING

#2

Phase II and I of the Public Safety building is complete. Phase II of this project will include a three cell holding facility, a dispatch area and saltport. We need to do a conceptual design \$25,000.

1) Justification  
 2) Level of need  
 3) Matching Funds  
 4) How project will be maintained  
 5) detail outline

wSTARS



Home Community

PDS IHS OMS Reports

Project Details

Contact  
UsHELP Log  
Out

KLAUOCK: KLAUOCK - Water &amp; Sewer Upgrades - AK01003-0004

Project has been reviewed (and is Approved)

Last Submittal: 2008 (IHS Area)

Project/Phase Name: KLAUOCK - Water &amp; Sewer Upgrades

Number: AK01003-0004

Priority: 14

Econ Feasible: ☒ Y

Area: ALASKA

Community: KLAUOCK

Project: 00

Override Feasibility: ☐ N

Tribe: KLAUOCK COOPERATIVE ASSOCIATION, AK

District: Southern-ANTHC

Phase: 04

IHS Approved: ☒ P

Reservation: ALASKA

Lead

EPA Region: 10 EPA PWS

Field Office/RHO: SEARHC

Self-Gov.: IHS Direct Service

ID:

None

No

HQ:

Included

CIP Project Information:

Area-Defined Fields

None Defined

Engineering Only: ☐

Engineer:

Last Updated By: Fairbanks Norman

Last Update: 10/01/2007

DEFICIENCY LEVELS

RATING SCORES

Initial: 3

Final: 1

Health Impact: 15

Deficiency: 12

Previous Service: 0

Capital Cost: 16

O &amp; M Capability: 12

Contribution: 5

Tribal: 12

Other Considerations: 0

Total Score: 72

HOMES

Community	Home	Number	Initial	Final	First	Water	Sewer	Solid Waste	O & M
State Code	Type	Eligible	Def. Level	Def. Level	Service	Service	Service	Service	Service
Group A AK01003	E1	Y	88	3	1	N	Y	Y	N
Total 88									

## WSTARS

<b>COSTS</b>	<b>IHS Cost</b>	<b>IHS Unit Cost</b>	<b>Eligible Cost</b>	<b>Eligible Unit Cost</b>	<b>Allowable Unit Cost</b>	<b>Contributions</b>	<b>Ineligible Cost</b>	<b>Total Cost</b>
Water (W):	\$ 425,000	\$ 4,830	\$ 850,000	\$ 9,659	\$ 27,125	\$ 425,000		\$ 850,000
Sewer (S):	421,653	4,792	421,653	4,792	27,125			421,653
Solid (L):	0	0	0	0				0
O & M	0	N/A	0	N/A	11,625			0
(O):					N/A			0
<b>Total Cost:</b>	<b>\$846,653</b>	<b>\$9,621</b>	<b>\$1,271,653</b>	<b>\$14,451</b>	<b>\$77,500</b>	<b>\$425,000</b>	<b>\$0</b>	<b>\$1,271,653</b>

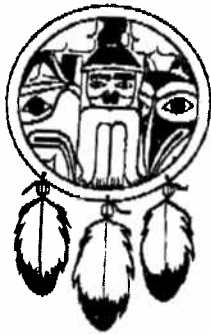
Special Requirements: none

**EXISTING DEFICIENCIES:**

<b>Water:</b>	The existing water line on Bayview Blvd is a ductile iron pipe that has reached its useful service life due to corrosion from sea water. The water distribution system has leakage that exceeds 15 percent of the design flow for the entire system. At least 4 water line leaks have been identified and repaired in the Bayview area.
<b>Sewer:</b>	Sewer system infiltration exceeds 20% of the system design flow at least 10 times per year. The community has received notice from DEC that WWTP flow permit requirements are being exceeded. During heavy rainfalls, WWTP plant flows can double. One pump in one of the lift stations is inoperable.
<b>Sol. Wst.:</b>	None
<b>O &amp; M:</b>	None

**PROPOSED FACILITIES:**

<b>Water:</b>	Install 3000 linear feet of 10" water line on Bayview Blvd. Perform a comprehensive leak detection survey. Replace appropriate service saddles and corporation stops throughout the city to reduce water system leaks. Complete a water master plan.
<b>Sewer:</b>	Repair leaking manholes. Perform a video survey of the sewer system and repair leaking sewer lines. Replace pumps and controls at affected lift stations. Complete a sewer master plan.
<b>Sol. Wst.:</b>	None
<b>O &amp; M:</b>	None



## Klawock Cooperative Association, Tribe

310 Bayview Blvd.  
P.O. Box 430  
Klawock, Alaska 99925

PHONE: 907-755-2265  
FAX: 907-755-8800

Date: 24 September 2007  
To: Representative Bill Thomas  
From: Klawock Cooperative Association, Tribe  
Re: Narrative of Klawock IRR Projects/  
Bayview Boulevard

Greetings,

Thank you for your time. Klawock Cooperative Association, Tribe (hereinafter referred to as Klawock Tribe) is a federally recognized Tribe.

Klawock Tribe has received funding from the U.S. Department of Interior, Bureau of Indian Affairs- Indian Reservation Roads (IRR). This funding is going to be utilized to address many issues within Klawock's city limits and our ancestral lands.

Such issues as: Pedestrian & Street Safety, Drainage Improvement, Installation of sidewalks, surface improvement projects in city limits, road elevation (fall time flooding), etc.

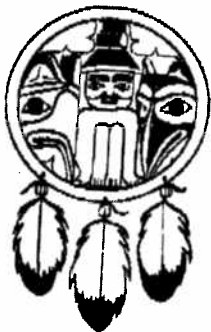
Our highest priority, which is also in our Transportation Improvement Program (TIP) that we have to submit to BIA, is the Bayview Boulevard surface improvement project. Much needed work is expected to be happening on this main road of Klawock. But first, we need to examine what is below the road surface.

Water and sewer lines below Bayview Boulevard are very dated, and can capacitate over half our population. Klawock has blossomed since our last water and sewer upgrade.

Under the IRR Program, the Klawock Tribe can assist the City of Klawock with "maintenance" funds. This can be used for, but is not limited to sign installation, pedestrian paths, sidewalks, drainage, etc. We will be assisting the City of Klawock on these projects.

However, the dated water and sewer lines are another issue. We cannot assist them in such a project.

Within three (3) years, the Klawock Tribe will assist the City of Klawock with surface improvement on all streets in city limits, as well as improved sidewalks, signs, guardrails, maintenance machinery, etc.

**Klawock Cooperative Association, Tribe**

310 Bayview Blvd.  
P.O. Box 430  
Klawock, Alaska 99925

PHONE: 907-755-2265  
FAX: 907-755-8800

Klawock Tribe and the City of Klawock have been meeting monthly to strategize our actions and make sure that all are riding the "same wave". This is done to maximize our funding and streamline our projects.

Survey work is beginning for approximately 2.3 miles of surface improvement within city limits, which includes Bayview Boulevard, Mary Jackson Subdivision, and Klawock Island Road.


The surface improvement on Bayview Boulevard will be used as a "match" for its proposed water/sewer improvement project. Under IRR Regulations, any project that uses IRR funding as a "match" must adhere to its federal regulations.

Along with surface improvements for our city residents, we are striving to capacitate our Tribal members, so that these upcoming projects will stimulate employment, a much needed ingredient for life in rural Alaska. We have been setting up CDL Training for interested Tribal members, as well as First-Aid/CPR, and flagging classes.

Please contact us at your convenience with questions or comments.

Thank you for your time and have a great day.

Respectfully,

  
Don Nickerson, Jr., Tribal Treasurer for  
A. Webster Demmert, Tribal President

Sept 24, 2007  
Date

City of Klawock, Alaska  
Resolution 07-22

A RESOLUTION ADOPTING THE FY-08 CAPITAL IMPROVEMENT PROJECTS  
PLAN

WHEREAS, the City of Klawock hereinafter called the Council is the governing body of the City of Klawock and,

WHEREAS, the Council has established a Capital Improvement Projects Plan.

NOW THEREFORE BE IT RESOLVED that the Capital Improvement Projects Plan be adopted with the following priorities;

1. Resurface, Replace Manholes, Water and Sewer Line on Bayview Boulevard
2. Half Mile Creek Dam Design and Reconstruction
3. Fire Hall Sub-Station
4. Klawock City School District Projects
5. Public Safety Building Phase II

Passed and Approved this 6<sup>th</sup> day of November, 2007

Absent

Jack P. Brown, Councilmember

R. Smith

Richard A. Smith Sr., Councilmember

Jonathan O. Rowan Sr.

Jonathan O. Rowan Sr., Councilmember

Donald L. Marvin

Donald L. Marvin, Mayor

Helen M. Jackson

Helen M. Jackson, Councilmember

absent

Don Nickerson Jr., Councilmember

Sabrina Demmert

Sabrina Demmert, Councilmember

Karen K. Clark

Attest: Karen K. Clark, City Clerk